



PRODUCT DATA SHEET

PROD. #7-22

PREPS • PRIMES • SEALS

UNIVERSAL PRIMER/SEALER UNDERCOATER



PRODUCT DESCRIPTION

PPS Universal Primer/Sealer Enamel Undercoater is our finest professional alkyd primer/sealer, specially formulated for application to a variety of both interior and exterior substrates. Easy to apply, it provides excellent coverage, penetrates and seals new substrates, provides excellent enamel holdout, excellent adhesion, and is mildew resistant. It resists bleeding of tannic acids, which are present in most new wood species, has excellent sanding properties, and may be applied to previously painted surfaces. Mildew Resistant - This paint contains agents that inhibit the growth of mildew on the surface of this paint film. For both interior & exterior use.

PRODUCT FEATURES	PRODUCT USES		PERFORMANCE QUALITIES	
<ul style="list-style-type: none">• Penetrates & Seals• Excellent Coverage• Excellent Enamel Holdout• Resists Tannic Acid Bleed• Excellent Sanding Properties• Mildew Resistant• Excellent Product Versatility• Easy To Apply	<i>Suitable for, but not limited to the following properly prepared surfaces;</i>		Product Quality:	Premium Professional
	INTERIOR/EXTERIOR		Product Use:	Interior & Exterior
	<ul style="list-style-type: none">• Gypsum Drywall• Wallboard• Plaster• Ceilings• Wood Doors & Trim	<ul style="list-style-type: none">• Wood Fencing• Wood Siding• Wood Railings• Masonry & Brick• Ferrous Metal	Application:	Brush, Roller & Spray
			Product System:	Solvent-Based
			Sheen:	Flat
Great For Interior & Exterior Use!		VOC Compliance:	No	
		Federal Standards:	TT-E-543A; TT-P-25E; TT-S-179B	
		MPI Standards:	No	

SURFACE PREPARATION

GENERAL: The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew and any other surface contaminants that may adversely affect the performance of this coating material.

- **PREVIOUSLY PAINTED SURFACES:** The entire surface area should be clean, as stated above. Remove any loose, scaling, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as electric sanders or grinders, etc. Sand all rough paint edges smooth to adjacent surface area. Sand all glossy surfaces to dull existing finish. Spot prime all bare surface areas with same primer material and allow to thoroughly dry before applying finish coatings.
- **FERROUS METAL SURFACES:** Remove all surface contaminants, oil and grease in accordance with SSPC-SP1. Remove any loose rust and rust deposits in accordance with SSPC-SP 2 – Hand Tool Cleaning, or SSPC-SP 3 – Power Tool Cleaning specifications. For optimal performance, cleaning the surface using SSPC-SP 6/NACE 3 – Commercial Blast Cleaning methods using sharp angular abrasive to remove all contaminants and to create a surface profile of approximately 1-2 mils. Prime all bare metal within 8 hours before flash rusting occurs.
- **MASONRY / CONCRETE:** Allow a minimum 30 days to properly dry/cure. The surface should be tested for pH and alkali levels and should not read higher than a 10.0 level. Clean surface thoroughly to remove contaminants, oil, grease and embedded chemicals. Smooth, slick, glazed, poured or pre-cast concrete should be acid etched, abrasive or shot blasted providing a finish similar to that of 60 grit sandpaper.
- **WOOD:** New wood surfaces should be painted before installation or immediately after. Do not allow the wood to weather. Weathered wood surfaces should be sanded to a fresh wood surface before coating. Remove any grade stamps or pencil marks from new wood by lightly sanding. Wood moisture content should be below 15% and wood surfaces that have a mill glaze should be sanded to allow for proper adhesion. It is recommended to prime all new and bare wood surfaces as needed with properly recommended primer.
- **MILDEW:** Surface areas affected by mildew should be treated with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how you can protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto www.epa.gov/lead.

TECHNICAL DATA

- **COLORS:** White
- **TINTING:** Universal Colorant (*Pastel Colors Only!*)
- **VEHICLE TYPE:** Alkyd
- **VISCOSITY:** 87 KU \pm 3
- **FINISH:** Flat / 0-5 Units @ 60°
- **FLASH POINT:** 107° F
- **COATING VOC:** Not to Exceed 405 g/l – 3.40 lb/gal
- **SOLIDS:**
By Volume: 51.07% \pm 2% **By Weight:** 71.46% \pm 2%
- **ESTIMATED COVERAGE:** 300 – 400 SFPG
(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- **RECOMMENDED MIL FILM:** (*Estimated @ 000 SFPG*)
Wet: 4.6 mils **Dry:** 2.3 mils
- **DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 30 min. - 1 hr. | Recoat: 3-4 hrs., or overnight
(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)
- **DRIES BY:** Oxidation / Solvent Evaporation
- **CLEAN UP:** Mineral Spirits
- **THINNING:** Not Recommended
- **WEIGHT PER GALLON:** 11.76 lbs.
- **SHELF LIFE:** Unopened 2 - 3 years on average.
- **PACKAGING:**

Quarts: 6 / Case	Gallons: 4 / Case
2 Gallons: N/A	5 Gallons: Each

RECOMMENDED FINISH COATINGS

The following Richard's products are recommended finish coatings for this primer coating material, and are not limited to the products listed below;

• FLAT FINISHES

- 100, Signature Series 100% Acrylic Int./Ext. Flat House Paint
- 350, Rich Classic Int./Ext. Acrylic House Paint
- 650, Rich Shield Premium 100% Acrylic Flat House Paint

• LO-LUSTER/EGGSHELL FINISHES

- 130, Signature Series 100% Acrylic Lo-Luster House & Trim Paint
- 370, Rich Classic Acrylic Eggshell House & Trim Paint
- 630, Rich Wall Premium Latex Eggshell Enamel

• SATIN FINISHES

- 360, Rich Classic Acrylic Satin House & Trim Paint
- 400, Signature Series 100% Acrylic Satin House & Trim Paint
- 640, Rich Shield Premium 100% Acrylic Satin House & Trim Paint

• SEMI-GLOSS FINISHES

- 380, Rich Classic Acrylic Semi-Gloss Enamel
- 680, Rich Shield Premium 100% Acrylic Semi-Gloss Enamel
- 750, Signature Series 100% Acrylic Semi-Gloss Enamel

• GLOSS FINISHES

- 200, Signature Series 100% Acrylic Gloss House & Trim Paint
- 660, Rich Shield Premium 100% Acrylic Gloss House & Trim Paint

APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester or combination nylon/polyester, or a quality natural china bristle brush.
- **Roller Application:** Apply using a 3/8" - 1/4" nap synthetic, lamb's wool or mohair roller cover, depending on texture or surface porosity.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Pressure:** Minimum 1500 – 2000 PSI
 - **Tip:** 0.017 – 0.019 Reversible
 - **Hose:** 1/4 inch (6.3 mm) - 3/8 inch (10 mm)

CLEAN UP & THINNING INSTRUCTIONS

Clean Up: Clean up any minor spills and spatters immediately with **Mineral Spirits**, as well as all painting tools and airless equipment. More serious paint spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

Thinning: Stir thoroughly and apply as it comes from the container. Thinning is not necessary. However, if thinning is required, you may add **Mineral Spirits**.

PRODUCT APPLICATION – General

Richard's Preps • Primes • Seals Universal Primer/Sealer Undercoater may be easily applied with a quality brush, roller, or spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respraying or reworking.
- When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.017– 0.019 fluid spray tip.
- Rough or textured surfaces coated using spray equipment should be back-rolled to work primer into surface pores, ensure a uniform film, even coverage and proper adhesion.
- Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area.
- Apply when surface and ambient temperatures are above 55° F and below 90° F. Do not apply when surface and air temperature is within 5° of the dew point.
- Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint.

PRODUCT LIMITATIONS

- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: COMBUSTIBLE! Keep away from heat, sparks and open flames. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Where ventilation is inadequate, use a suitable respirator. Turn off main gas valve until after coating has dried, then have pilot lights re-lighted by a responsible person. Avoid prolonged contact with skin and breathing of vapors and/or spray mists. When spraying this material, use an **OSHA** approved cartridge respirator. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents herein may be harmful or fatal.

KEEP OUT OF REACH OF CHILDREN!

WARRANTY

The Richard's Paint Mfg. Co., Inc. warrants our products to be free from manufacturing defects in accord with applicable Richard's Paint quality control procedures. Liability for product proven to be defective, if any is limited to the replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Richard's Paint Mfg. Co., Inc. **NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY RICHARD'S PAINT MFG. CO., INC., EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

LIMITATIONS

The technical information contained herein is accurate to the best of our knowledge. Seller shall not be liable, directly or indirectly, under any circumstances for consequential, incidental, special or any other type of damages arising or resulting for any reason under the sale, handling, or use of goods sold. Seller's liability hereunder, and buyer's exclusive remedy hereunder, for negligence or any other reason, is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. Notice of any alleged failure or defect in the material must be given to the seller in writing by certified U.S. mail within 15 days of noticing the problem. Failure to give the required notice within the time provided constitutes a waiver of any claim. The Manufacturer is not responsible for any misrepresentation made by the Dealer.